

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

<b>CONTRACTOR:</b>	<b>CONTRACT NO./TASK NO.</b>	<b>JOB ORDER NUMBER</b>	<b>APPROPRIATE</b>
QSS Group, Inc.	NAS5- 99124      TASK NO. 320      AMENDMENT	565- 287-17-01- 89	00

**TASK TITLE:** (NTE 80 characters; include Project name)

MAP Electrical Systems Services

<b>APPROVALS:</b> (Type or print name and sign)			
<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b>	<b>DATE</b>	<b>ORG CODE</b>	<b>MAIL CODE</b>
Laura Milam <i>Paul Bryant for Laura Milam</i>	July 27, 2000	565	565
<b>BRANCH HEAD</b>	<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>
Paul Bryant <i>Paul Bryant</i>	July 27, 2000	565	301-286-7549
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b>	<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>
for Robert S. Lebar, Jr. <i>Deborah A. Clark</i>	7/28/00	560	301-286-6588
<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?</b> (If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)		<b>CONTRACTING OFFICER'S QUALITY REP.</b>	
<input type="checkbox"/> NO <input type="checkbox"/> YES		<b>DESIGNATED FAM:</b>	

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

**C.O. Requested Quote on:**

**Date:** AUG 1 2000

Contractor will develop specification or statement of work under this task for a future procurement.	<input type="checkbox"/> NO <input type="checkbox"/> YES
Flight hardware will be shipped to GSFC for testing prior to final delivery.	<input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> N/A
Government Furnished Property/Facilities:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)
Onsite Performance:	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES    If yes: <input checked="" type="checkbox"/> TOTAL <input type="checkbox"/> PARTIAL If partial, indicate onsite work in SOW by asterisk (*)
Surveillance Plan Attached:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
Highlighted Contract Clauses:	(to be completed by Contracting Officer)

The effective date of this task order is the date of the Contracting Officer's signature below.

**INCENTIVE FEE STRUCTURE**

(check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	X No. 1	No. 2	No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is \$ 96,335 .  
 The target fee of this task order is \$ 6,262 .  
 The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 102,597 .  
 The maximum fee is \$ 9,152 .  
 The minimum fee is \$0.

<b>AUTHORIZED SIGNATURE:</b>		
THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"		
<i>Theresa J. Becker</i>	10/4/00	<i>Theresa J. Becker</i>
SIGNATURE OF CONTRACTING OFFICER	DATE	TYPED NAME OF CONTRACTING OFFICER

<b>CONTRACTOR'S ACCEPTANCE:</b>	
AUTHORIZED SIGNATURE	DATE

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QSS Group, Inc.

NAS5-

**99124****TASK NO.****320****AMENDMENT**

Applicable paragraphs from contract Statement of Work: Function 2-Execution Phase Services

**STATEMENT OF WORK:**

(Continue on blank paper if additional space is required)

The contractor shall perform the following electrical systems engineering services in support of the MAP project electrical systems lead engineer.

1. Support the MAP Mission System Engineer in mission requirements development, validation and verification; analytical integration of all mission elements; technical review of all mission elements; best practices; resolution of anomalies
  - System-level Fault Tree and Failure Modes Effects Analysis through component interface circuitry
  - Generation and configuration management of all electrical systems related documentation
2. As part of the EMI/EMC Control Board reviews test results; prepares waivers; recommends approval/disapproval
3. Work with Boeing and KSC to resolve MAP RF issues by holding bi-weekly telecons with Boeing and KSC. Plan and reviews the KSC RF monitoring and reviews RF survey reports provided by Boeing and KSC.
4. Plan and schedule MAP harness work; review, sign and configure all harness drawings. Coordinate with subsystem leads in preparing and approving changes to harness drawings via EOs.
5. Sits on Risk Management Board
6. Provide MAP Top Concerns reports weekly to ES Branch, provide Top Concerns report monthly to ESC, and to AETD/STAAC on an as-needed basis. Other reports as requested.
7. As a member of the MAP Grounding Board review and approves/disapproves all grounding waiver requests. Provide input to Materials Branch on verification methods for grounding.
8. Review electrical work orders prior to start of work, review electrical work orders prior to close out.
9. Work with subsystem engineers to resolve issues arising during integration and test.
10. Track electrical verification activities
11. Review all MAP Problem Failure Reports prior to close out. Provide input for closure
12. Plan and implement, write procedure and test report for the MAP Observatory EMC test
13. Serve as shift lead for all Comprehensive Performance Tests
14. Plan and implement electrical systems activities related to Launch Site testing.

**PERFORMANCE SPECIFICATIONS:**

Reports shall contain subjects, references, attachments as necessary, background information, issues, technical analysis or reviews, conclusions, recommendations, and options as necessary. More extensive reports shall contain indexes, figures, and data necessary to make the report complete.

**APPLICABLE DOCUMENTS:**

None.

**TASK END DATE:**~~7/31/01~~

6/30/00 01

**MILESTONES/DELIVERABLES AND DATES:**

REPORT: Status on Engineering Activities and Analysis -- Weekly and Monthly

TRADE STUDIES: As requested

DESIGN STUDIES: As requested

**PERFORMANCE STANDARDS:**

Schedule: On-time delivery of the above.

Technical: ATR's acceptance of the above.

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

Laura Milam, Building 20, Room 17